***Candy Compounds*  Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

C:\Users\Kelli\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\12Z37F8Y\MC900351966[1].wmfComplete your key based on the number and colors of gumdrops in your bag. Follow the directions to complete this worksheet.

For each compound, you will need to:

1. List the atoms and number of each
2. Identify the type of bond
3. Make and color the gumdrop model

|  |  |  |
| --- | --- | --- |
| **Information**  List the names of the atoms and number of each. | **Type of Bond**  Is it ionic or covalent?  Justify your answer. | **Gumdrop Model**  Make the gumdrop compound and color the diagram. |
| **H2** |  |  |
| **NaCl** |  |  |
| **H2O** |  |  |
| **Na2O** |  |  |
| **CaCl2** |  |  |
| **CH4** |  |  |
| **CO2** |  |  |
| **CHCl3** |  |  |

Explain the difference between Ionic and Covalent bonding. How does each type of bond occur? What types of elements are necessary for each type of bond?

Candy Compounds – Candy Key

Count the number of gumdrops you have for each color and match to the key. Use a marker to color each gumdrop. Match the colors to the numbers!

1 - Calcium

3 - Carbon

3 - Sodium

6 - Chlorine

4 - Oxygen

9 - Hydrogen